Fort Hays State University

Hays, Kansas
Energy Performance Contract

Project Size: 29 buildings, 1,836,022 sq ft

Project Value: $4,724,072

Source of Funds: State Bond Program

Contract Terms: 17 years

Project Schedule: Construction to be completed Spring 2005

Project Phase	Project Dates	
	Started	Completed
Comprehensive Energy Analysis	February 2003	June 2003
Design/Implementation	April 2004	April 2005
Monitoring	April 2005	April 2022

Guaranteed Annual Energy Savings: Year 1: $336,583

Annual Non-Energy Savings: Year 1: $12,232

Measurement and Verification: IPMVP, 1997, Option A (short-term/periodic measurement after retrofit compared to base conditions).

IPMVP, 1997, Option B (continuous measurement at system level after retrofit compared to base conditions).

IPMVP, 1997, Option C (entire facility-level comparison before and after retrofit. typically with utility bills).

Comments: FHSU, like many higher education campuses, was looking for a process to enhance their learning environment by improving their facility infrastructure. Along with deferred maintenance brought on by budget limitations, the campus was stressed by increasing utility costs that were negatively impacting the growing campus. The solution was a partnership with Chevron Energy Solutions that provides needed improvements addressing many campus-wide deferred maintenance issues, replacement of critical infrastructure systems, and the implementation of electrical generation systems that effectively reduces FHSU's peak load demand. The result is a significant improvement to the learning environment and reduced energy expenditures — all completed with a self-funded performance contract.

For more information, contact: Steve Spurgeon, 800 475 3500 x3609
www.chevronenergy.com

List of Improvements:

- Heating replacements and improvements
- Cooling system replacements and improvements
- Central boiler plant upgrades and improvements
- 2-830 kW electrical generation system
- Power capacitor electrical system upgrades
- Energy management system upgrades
- Building steam zone controls
- Lighting replacement and improvements
- Rooftop unit replacements
- Variable speed chilled water pumping
- Water conservation and treatment measures

Reference:

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ChevronTexaco